

Fig. 1

20

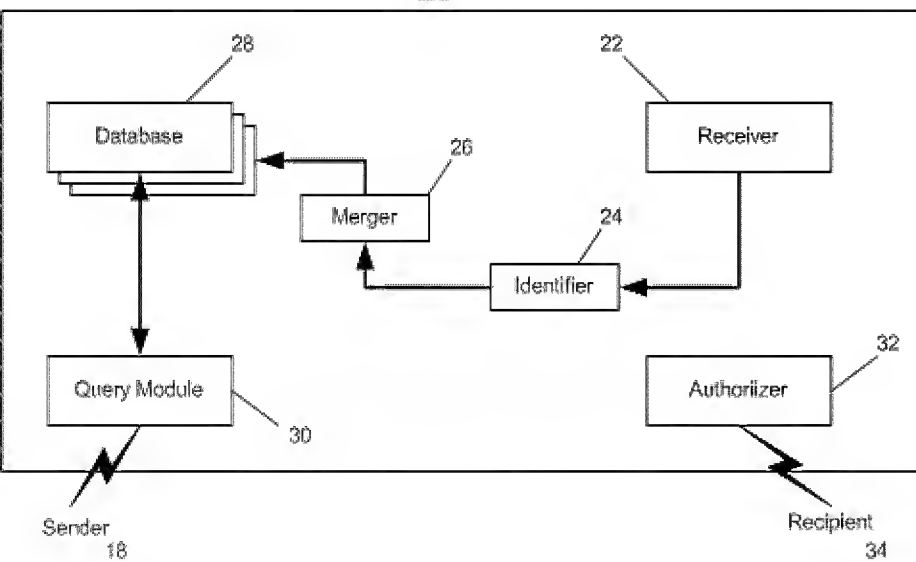


Fig. 2

Table 1:

Record	Name	Postal Address	Email Address
1	Terry White	403 W 54 St, NY, NY	Terryw667@onebox.com
2	Terry White	160 Bleecker, NY, NY	Terry.white@earthlink.net
3	Terry White	403 W 54 St, NY, NY	terryw@hotmail.com
4	Terrance White	160 Bleecker, NY, NY	Terryw667@onebox.com
5	Terri White	1329 E. 11th St, NY, NY	terryw@hotmail.com
6	Terry White	1329 East 11 ST, NY, NY	White84@aol.com

Fig. 3

Table 2:

Record	Name	Postal Address	Email Address
1	Terry White	403 W 54 St, NY, NY	Terryw667@onebox.com
2	Terry White	160 Bleecker, NY, NY	Terry.white@earthlink.net
3	Terry White	403 W 54 St, NY, NY	terryw@hotmail.com
4	Terrance White	160 Bleecker, NY, NY	Terryw667@onebox.com

Fig. 4

Table 3:

ID	Input Email	Name	Postal Address
9230	Terryw667@onebox.com	Terry White	403 W 54 St, NY, NY
9230	Terryw667@onebox.com	Terrance White	160 Bleecker, NY, NY

Fig 5

Table 4:

ID	Input Email	Name	Postal Address	Email Address
9230	Terryw667@onebox.com	Terry White	403 W 54 St, NY, NY	Terryw667@onebox.com
9230	Terryw667@onebox.com	Terry White	160 Bleecker, NY, NY	Terry.white@earthlink.net
9230	Terryw667@onebox.com	Terry White	403 W 54 St, NY, NY	terryw@hotmail.com
9230	Terryw667@onebox.com	Terrance White	160 Bleecker, NY, NY	Terryw667@onebox.com

Fig. 6

Table 5:

ID	Input Email	Name	Postal address	Email Address
9230	Terryw667@onebox.com	Terry White	160 Bleecker, NY, NY	Terry.white@earthlink.net
9230	Terryw667@onebox.com	Terry White	403 W 54 St, NY, NY	terryw@hotmail.com

Fig. 7

Recipient table

Recipient ID
33

Email Address

Email ID	Email Address
26	Terryw667@onebox.com
52	Terry.white@earthlink.net
192	Terryw@hotmail.com

Postal Address

Postal ID	Postal Address
98	403 W 54 St, NY, NY
257	160 Bleecker, NY, NY

Recipient Email

Recipient_Email_ID	FK_Recipient_ID	FK_Email_ID
9	33	26
29	33	52
74	33	192

Recipient Postal

Recipient_Postal_ID	FK_Recipient_ID	FK_Postal_ID
72	33	98
144	33	257

Recipient Name

Recipient_Name_ID	First Name	Last Name	FK_Recipient_ID
213	Terry	White	33
214	Terrance	White	33

Fig. 8

Recipient table

Recipient_ID
33
64

Email_Address

Email_ID	Email Address
26	Terryw667@onebox.com
52	Terry.white@earthlink.net
192	Terryw@hotmail.com
843	hope@hotmail.com

Postal_Address

Postal_ID	Postal Address
98	403 W 54 St, NY, NY
257	160 Bleecker, NY, NY

Recipient_Email

Recipient_Email_ID	FK_Recipient_ID	FK_Email_ID
9	33	26
29	33	52
74	33	192
93	64	843

Recipient_Postal

Recipient_Postal_ID	FK_Recipient_ID	FK_Postal_ID
72	33	98
144	33	257
178	64	98

Recipient_Name

Recipient_Name_ID	First Name	Last Name	FK_Recipient_ID
213	Terry	White	33
214	Terrance	White	33
526	Hope	White	64

Fig. 9

Table 6:

Record	Name	Postal Address	Email Address
1	Terri White	403 West 54 St, NY, NY	Terryw667@onebox.com
2	Terry White	403 w 54th Street, NY, NY	Terry.white@earthlink.net
3	Terrance White	403 W 54 St, New York, NY	terryw@hotmail.com

Fig. 10

Table 7:

ID	Name	Email1	Email2
1	Terry White	Terryw667@onebox.com	Terry.white@earthlink.net
2	Terry White	Terryw667@onebox.com	terryw@hotmail.com
3	Terry White	Terry.white@earthlink.net	terryw@hotmail.com

Fig. 11

Table 8:

ID	Name	Email1	Email2
1	Terry White	Terryw667@onebox.com	Terry.white@earthlink.net
2	Terry White	Terryw667@onebox.com	terryw@hotmail.com
3	Terry White	Terry.white@earthlink.net	Terryw667@onebox.com
4	Terry White	Terry.white@earthlink.net	terryw@hotmail.com
5	Terry White	terryw@hotmail.com	Terryw667@onebox.com
6	Terry White	terryw@hotmail.com	Terry.white@earthlink.net

Fig. 12

Table 9:

Record	Name	Postal Address	Email Address
4	Terry White	1329 E. 11th St, NY, NY	terryw@hotmail.com
5	Terry White	1329 East 11 ST, NY, NY	White84@aol.com

Fig. 13

Table 10:

ID	Name	Email1	Email2
1	Terry White	Terryw667@onebox.com	Terry.white@earthlink.net
2	Terry White	Terryw667@onebox.com	terryw@hotmail.com
3	Terry White	Terry.white@earthlink.net	terryw@hotmail.com
4	Terry White	terryw@hotmail.com	White84@aol.com
5	Terry White	White84@aol.com	Terry.white@earthlink.net
6	Terry White	White84@aol.com	Terryw667@onebox.com

Fig. 14

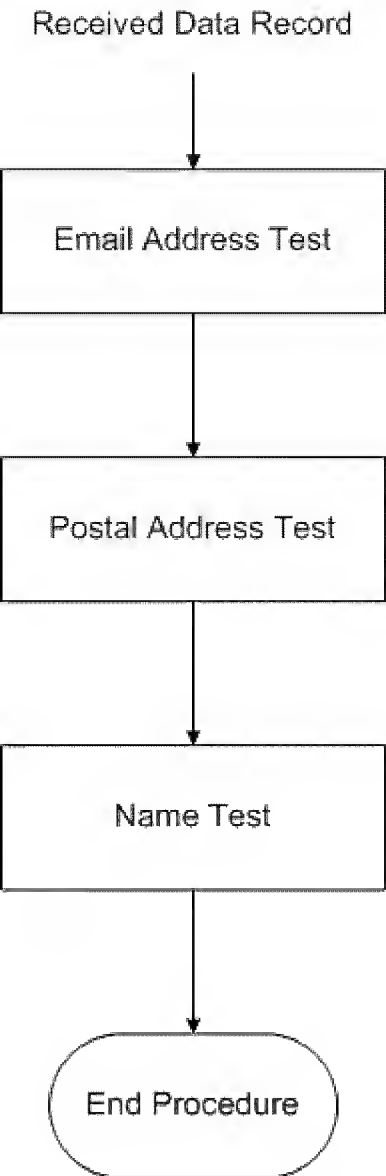


Fig. 15

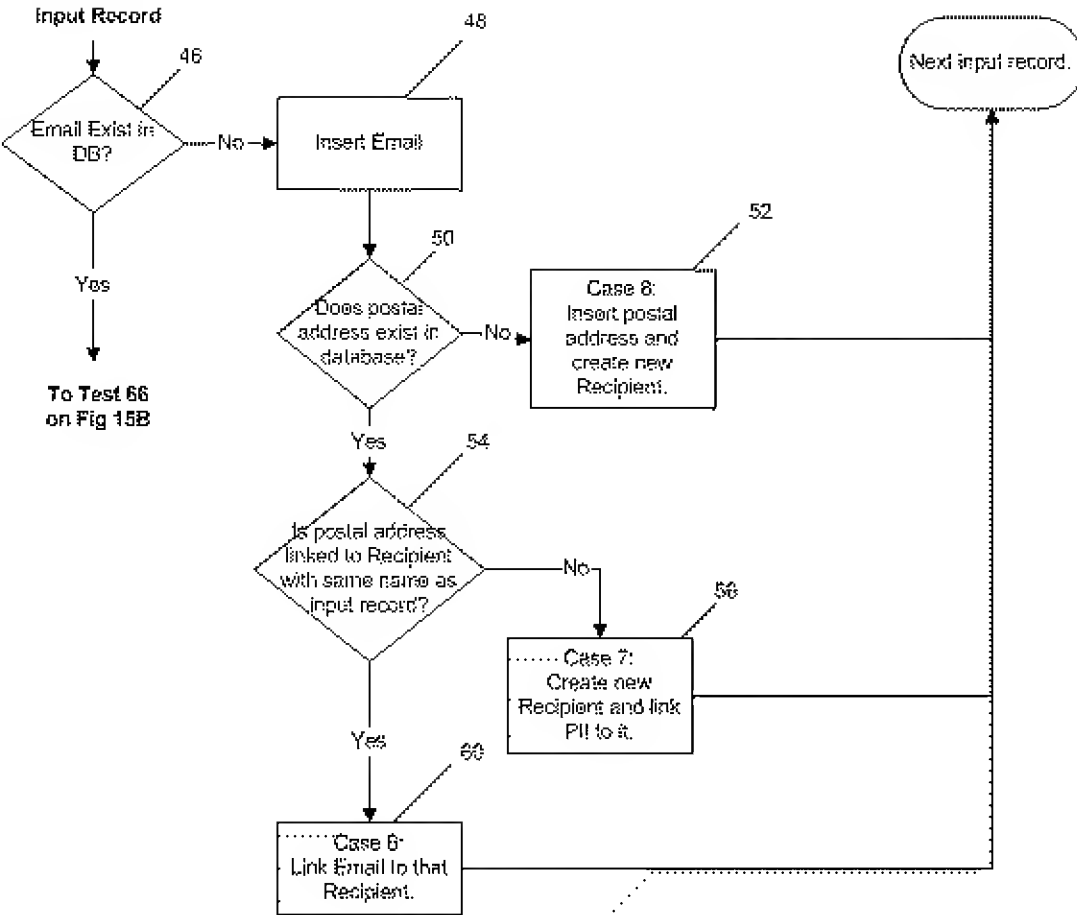
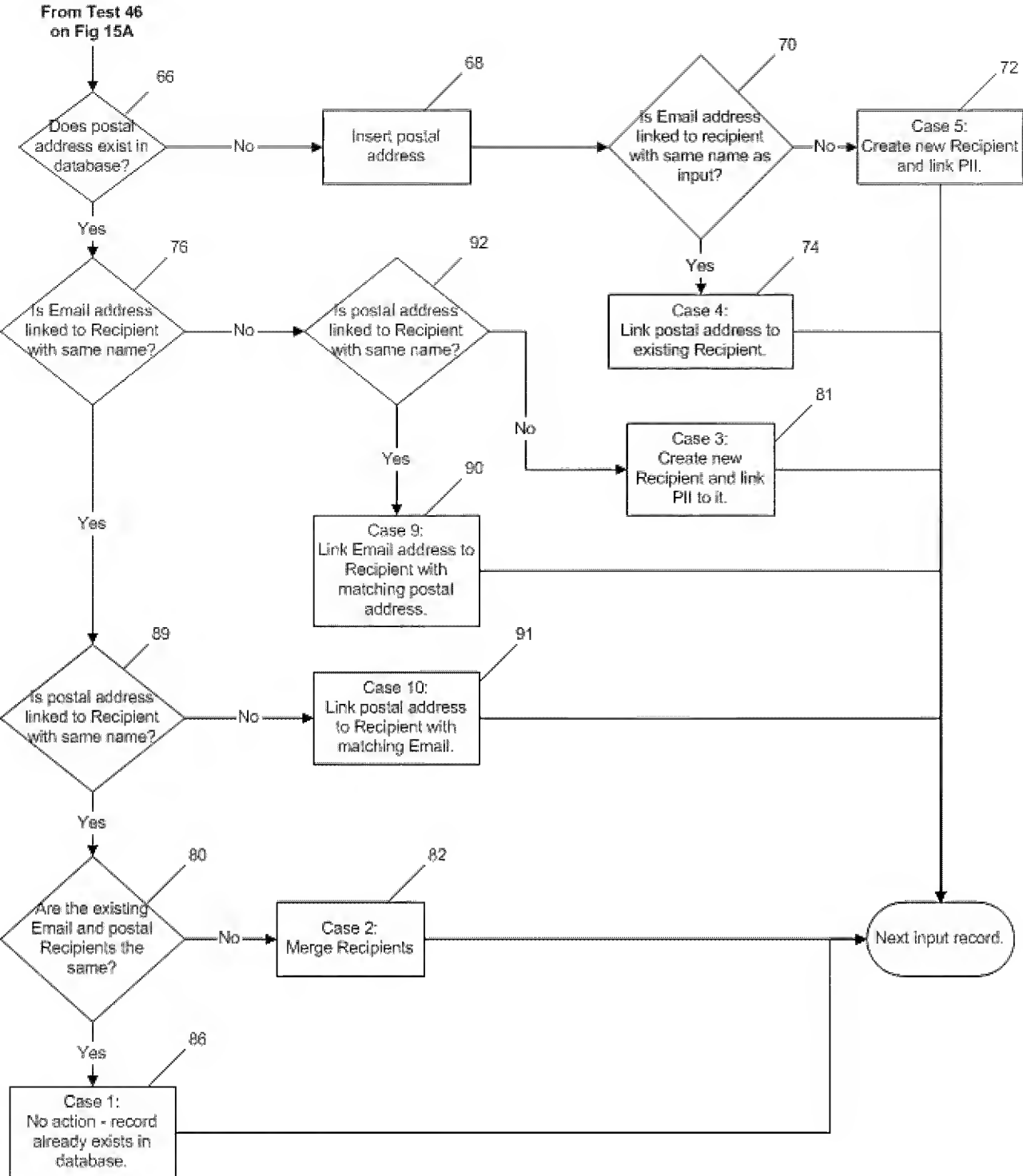


Fig. 15A



Data Partner
transfers customer
data to Data
Manager.



Remove records
with invalid or
missing
information.

Table 11:

ID	Name	Postal Address	Email Address	Update Date
1	Terry White	403 W 54 St, NY, NY	Terryw667@onebox.com	02/27/2001
2	Jon Dreyfous	9 E. 18th St, NY, NY	jonnyd@hotmail.com	12/28/2000
3	Mihaela Grigore	660 5th Ave, NY, NY	mg@aol.com	08/09/2001
4	Hubert Tai	50 Mariposa, San Jose, CA	htai@aol.com	03/15/2001

Table 12:

ID	Name	Postal Address	Email Address	Update Date
1	Terry White	160 Bleecker, NY, NY	Terry.white@earthlink.net	11/18/2001
2	Jon Dreyfous	9 E. 18th St, NY, NY	jonnyd@hotmail.com	12/28/2000
3	Mihaela Grigore	433 E. 6th St, NY, NY	mg@aol.com	11/07/2001
4	Hubert Tai	50 Mariposa, San Jose, CA	htai@aol.com	03/15/2001

Table 13:

ID	Name	Old Postal Address	New Postal Address	Change Date
1	Terry White	403 W 54 St, NY, NY	160 Bleecker, NY, NY	11/18/2001
3	Mihaela Grigore	660 5th Ave, NY, NY	433 E. 6th St, NY, NY	11/07/2001

Fig. 18